

CENTRAL INTELLIGENCE AGENCY  
INFORMATION FROM  
FOREIGN DOCUMENTS OR RADIO BROADCASTS

CD NO.

SUBJECT Economic; Technological - Bearing industry

DATE OF INFORMATION 1953

HOW PUBLISHED Daily newspapers

DATE DIST. 17 May 1954

WHERE  
PUBLISHED USSR

NO. OF PAGES 3

DATE  
PUBLISHED 28 Sep-3 Dec 1953

LANGUAGE Russian

SUPPLEMENT TO  
REPORT NO.

THIS IS UNEVALUATED INFORMATION

SOURCE As indicated

SOVIET BEARING PLANTS SAVE METAL, CUT COSTS

MECHANIZE PROCESSES AT FIRST BEARING PLANT -- Moscow, Moskovskaya Pravda,  
30 Sep 53

In the past 3 months, the forge shop of the Moscow First State Bearing Plant has organized hot profile rolling of 27 types of inner and outer bearing rings.

The plant as a whole has used 3,000 tons less high-alloy steel in 1953 than it did in 1952 for an equal volume of production, and plans to save 700 more tons of metal.

Moscow, Vechernyaya Moskva, 22 Oct 53

There are now three automatic transfer machine lines in the automatic lathe shop of the Moscow First State Bearing Plant. In the next few days, all 60 machine tools in this shop will receive oil from a central lubricating system.

Moscow, Izvestiya, 19 Nov 53

The Moscow First State Bearing Plant has set up three of the 11 constant-flow lines planned for the automatic lathe shop. Such automatic constant-flow lines have a daily capacity of more than 20,000 rings.

Small Series Shop No 3 is making bearings for rolling mills, for blooming mills, and for machines and units used in the petroleum industry. The shop is now working on spherical roller bearings for 24-cubic-meter excavators. Great accuracy is required in the production of these 800-kilogram bearings.

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Roller bearings made by the plant are being tested on passenger and freight cars and on diesel and electric locomotives of the Northern and October railroad systems. Equipping all rolling stock with these bearings would reduce consumption of fuel and electric power by railroads eight to ten times.

PRODUCE CONSUMER GOODS -- Moscow, Vechernyaya Moskva, 3 Oct 53

The consumer goods shop of the Moscow First State Bearing Plant makes equipment for the furniture, sewing, and canning industries.

LINE POLISHING DRUMS WITH RUBBER; REPAIR BEARINGS -- Moscow, Vechernyaya Moskva, 9 Oct 53

P. M. Shulitskiy, chief mechanic of the Moscow Bearing Repair Plant, uses old inner tubes from passenger plane tires to line drums used for polishing bearing balls. The rubber linings reduce noise in the polishing shop and last as long as a steel drum (3 weeks). The rubber linings cost only 50 rubles, while the steel drums made of sheet steel 8-12 millimeters thick cost 500 rubles.

Moscow, Vechernyaya Moskva, 12 Oct 53

In October, the Moscow Bearing Repair Plant will repair 3,000 bearings for farm machines. These bearings have out-of-round and tapered rings and were formerly melted down as scrap. Repair of these bearings will save 4 tons of expensive bearing steel.

Workers of the chief mechanic's division and the tool shop are completing a conveyor that will mechanize labor-consuming operations in the conveyance and assembly of bearings.

The assembly shop is completing experimental work on dry assembly of bearings. Dry assembly will save large amounts of gasoline and kerosene and will improve working conditions.

In October, the plant shipped thousands of assorted bearings to [Glav] Mashsbyt (Main Administration of Sales, Ministry of Machine Building). A large part of these bearings have been shipped to MTS.

COMPLETES 9-MONTH PLAN -- Moscow, Vechernyaya Moskva, 20 Oct 53

The Moscow Second State Bearing Plant completed its plan for the first 9 months of 1953 on 19 October. On 1 October, the plant completed its 1953 plan for farm machine spare parts.

Moscow, Vechernyaya Moskva, 1 Dec 53

The Moscow Second State Bearing Plant produces bearings 18-450 millimeters in diameter.

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MECHANIZE BEARING OUTPUT -- Moscow, Pravda, 28 Sep 53

At the Sverdlovsk Bearing Plant, a group of workers headed by chief technologist Kitayev has set up an automatic transfer machine line for making rollers. Three grinding machines in the line formerly turned out 3,500 rollers a shift and required three operators. Now the three machines are operated by one man and turn out 13,000-15,000 rollers a shift.

A second automatic transfer machine line is being set up. This line will grind rollers of many different types.

PROMISE EARLY PLAN FULFILLMENT -- Kiev, Pravda Ukrainy, 12 Nov 53

Workers of the ball shop of the Khar'kov Bearing Plant have promised to fulfill their 1953 plan by 15 December, to reduce losses due to rejects 70 percent as compared to 1952, and to reduce the production cost of bearings 12 percent.

MINSK BEARING PLANT -- Minsk, Sovetskaya Belorussiya, 3 Dec 53

The Minsk Bearing Plant makes ball, roller, and other types of bearings. In 1953, the plant organized the output of large-size bearings and roller bearings used in rail transport. Two brigades at the plant have been honored by the Ministry of Machine Building USSR.

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